

ABSTRACT OF THE DISCLOSURE

A method of inhibiting error propagation in a bidirectional digital compressed image data communication system is provided. A method of processing transmission data to inhibit error propagation in a digital image data communication system, includes (a) inputting an image frame from an external source, (b) checking for feedback error information including the location of an erroneous block on a compressed image frame detected during decoding by a decoder, the feedback error information received via a communication network, (c) if it is determined in step (b) that there is feedback error information, intracoding an erroneous block, the location of which is included in the feedback error information, and its search range, which is referred to encode the erroneous block using an intercoding method, among the image frame input in step (a), thereby constituting a compressed image frame, and (d) transmitting the compressed image frame constituted in step (c), via a communication network. When an error is detected by a decoder, it is fed back to an encoder, and the encoder uses a technique of compulsorily intercoding an erroneous block and the search range of the block with reference to feedback information, thereby inhibiting error propagation in a digital image data communication system.